

ABSTRACT OF THE DISCLOSURE

System and method of continuously analyzing trial data of an ongoing clinical trial is provided. A statistical analysis is performed on a trial database containing subject trial data. If the result of the statistical analysis does not exceed a predetermined threshold value, then the statistical analysis is repeated while the clinical trial is ongoing. In a blinded clinical trial, a grouped database is generated from the trial database and a blinding database prior to performing the statistical analysis. The grouped database groups the subject trial data according to the study groups. The ability to continuously monitor and analyze the trial data for statistical significance in tandem with data collection while the trial is ongoing provides many benefits to the researchers because the trial database no longer becomes the bottleneck in obtaining useful results and statistical analysis can be conducted on a near real-time basis without having to wait until completion of the trial.